

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Currently Amended) A process for the production of a two-component coating mixture comprising continuously:

- a) mixing a first coating component and a second coating component in a mixing nozzle to yield a two-component coating mixture,
- b) homogenizing the two-component coating mixture using a homogenizer, which is arranged downstream from the mixing nozzle, and
- c) dispensing a volume of the coating mixture; and
- d) recirculating at least a portion of the two-component coating mixture from an outlet of the homogenizer to an inlet of the homogenizer such that at least a portion of the two-component coating mixture is homogenized repeatedly

wherein the dispensed volume of the coating mixture is lower than the volumetric flow rate of the coating mixture from the mixing nozzle to the homogenizer.

2. (Previously Presented) The process according to Claim 1, which comprises supplying the two coating components to the mixing nozzle separately from one another at a pressure of at most 2.5 MPa.

Claim 3 (Cancelled)

4. (Previously Presented) The process according to Claim 1, wherein the first coating component comprises an aqueous binder dispersion containing isocyanate-reactive hydrogen atoms, and the second coating component comprises a polyisocyanate.

5. (Previously Presented) The process according to Claim 1, wherein between the mixing nozzle and the homogenizer, the two-component coating mixture exhibits a mass flow rate of from 50 g/minute to 3000 g/minute.

6. (Original) The process according to Claim 1, wherein the homogenizer is a jet disperser.

7. (Previously Presented) The process according to Claim 1, which comprises supplying the first coating component to the mixing nozzle by a first pump, and supplying the second coating component to the mixing nozzle by a second pump, and delivering the two-component coating mixture by a third pump from the mixer to the homogenizer.

8. (Previously Presented) The process according to Claim 7, which comprises operating the third pump at a higher delivery capacity than the first pump and the second pump together.

9. (Original) The process according to Claim 7, wherein at least one of the first pump, the second pump and the third pump is a gear pump.

Claims 10-23 (Cancelled)

24. (Previously Presented) The process according to Claim 1, wherein the two-component coating mixture comprises an aqueous binder dispersion containing isocyanate-reactive hydrogen atoms and a polyisocyanate and forms an aqueous polyurethane coating emulsion.

25. (Cancelled)

26. (Original) The process according to Claim 8, wherein at least one of the first pump, the second pump and the third pump is a gear pump.

Claims 27-67 (Cancelled)